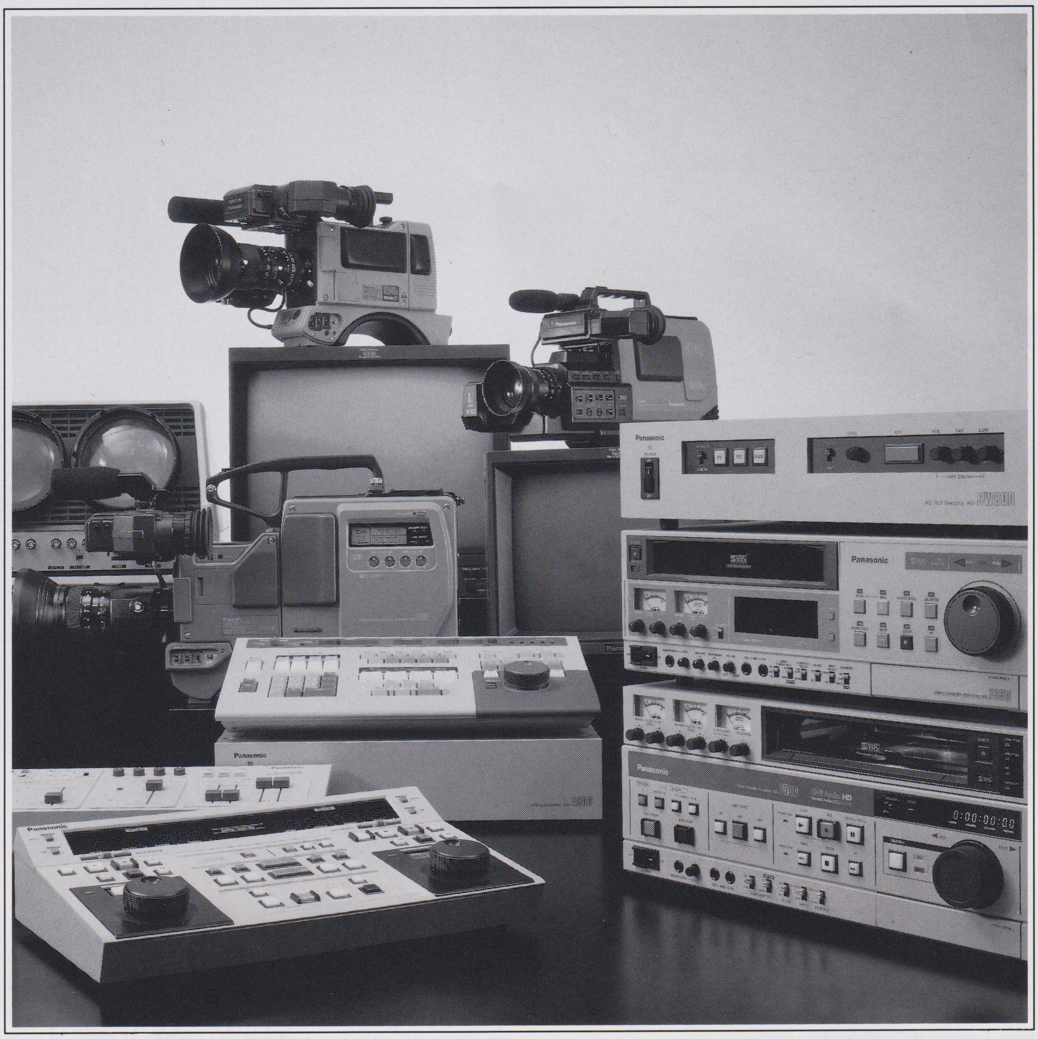
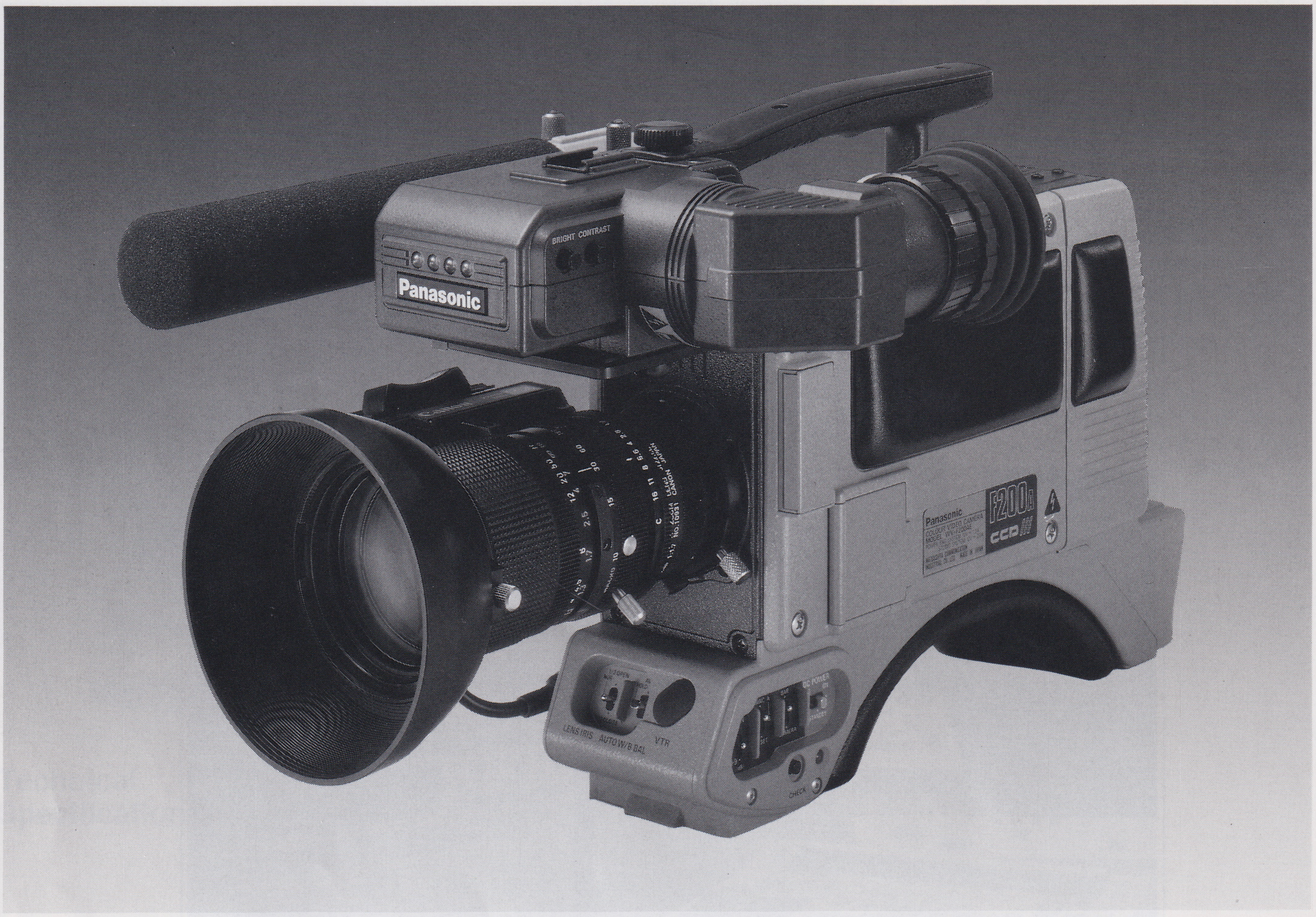
Professional Video Systems



S VHS
625

Video Camera

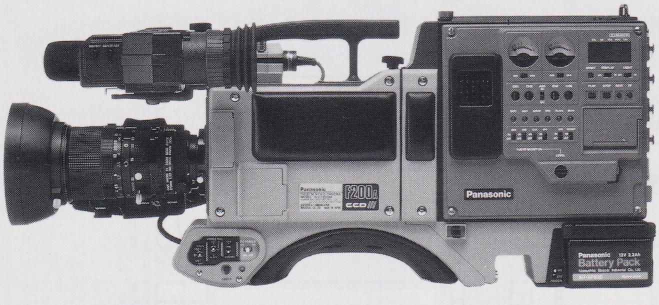
WV-F200A 3-CCD Colour Video Camera



Features

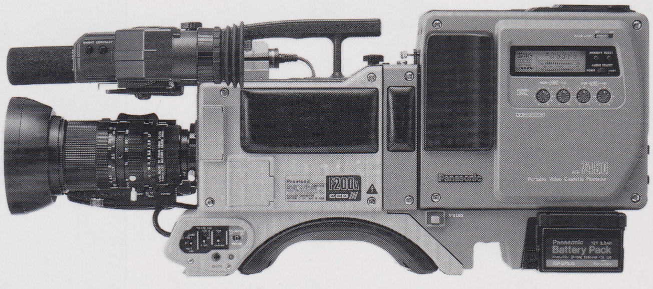
- 3-CCD pick-up image sensors (291,000 picture elements with an F1.4 prism).
- 620 lines horizontal resolution (typical).
- 57 dB high S/N ratio (typical).
- Automatic function (white/black balance).
- Viewfinder display.
- Gain selection (0 dB, +9 dB and +18 dB).
- Colour matrix masking circuit.
- Separated Y/C outputs for S-VHS recorder.
- 3-position aperture circuits.
- Gen-lock capability.
- EBU standard colour bar.
- Combination with M-II (AU-400) for Camera/recorder application.
- Combination with S-VHS (AG-7450) for Camera/recorder application.

Camera/Recorder System



WV-F200A with AU-400 (MII Recorder)

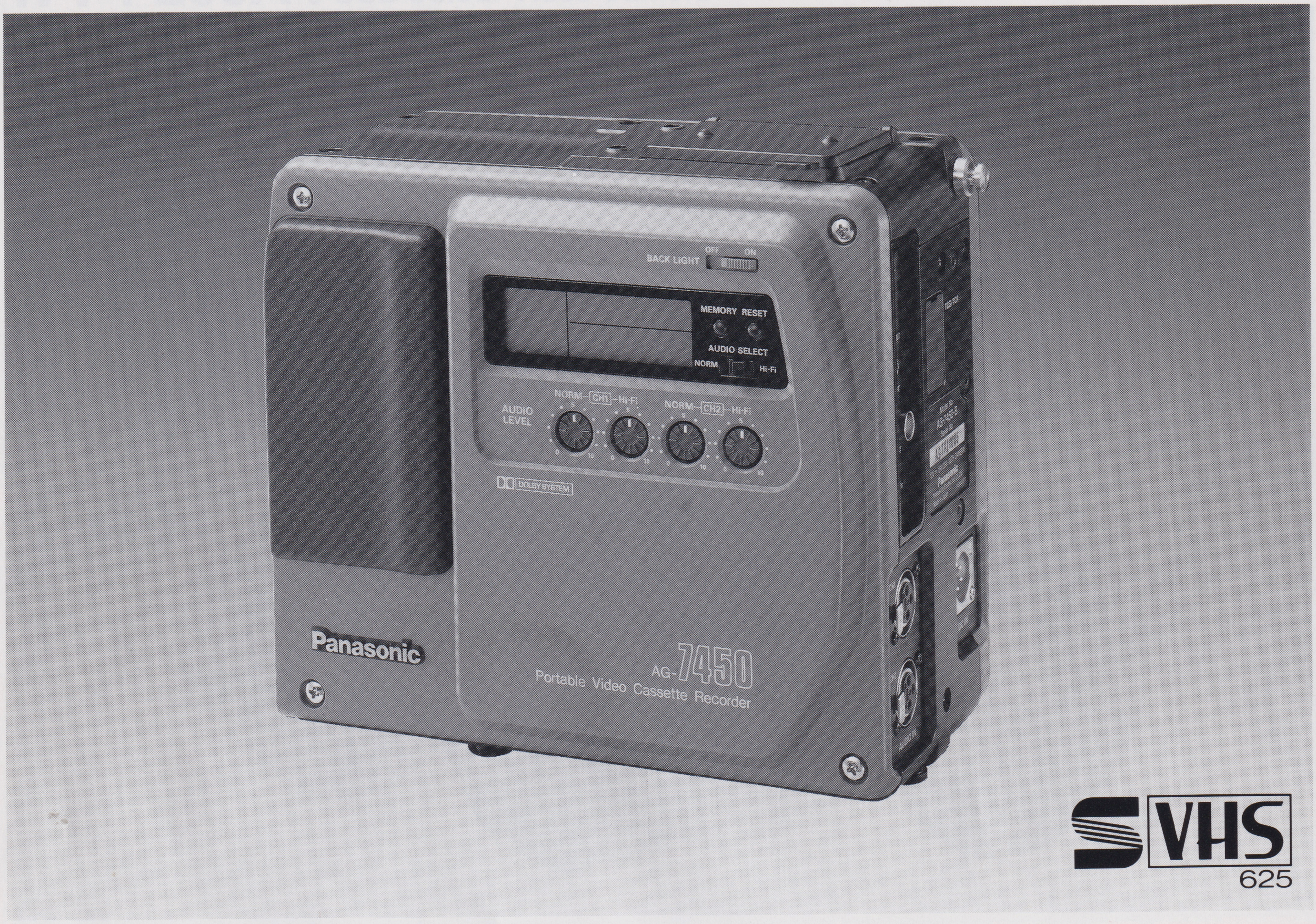
Camera/Recorder System



WV-F200A with AG-7450 (S-VHS Recorder)

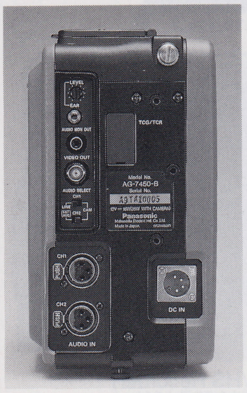
Portable VTR

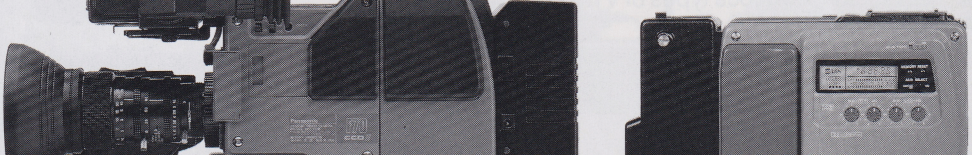
AG-7450 S-VHS Portable Video Recorder


BACK LIGHT
OFF
ON
MEMORY
RESET
AUDIO SELECT
NORM
Hi-Fi
AUDIO LEVEL
NORM-CH1-Hi-Fi
NORM-CH2-Hi-Fi
DOLBY SYSTEM
Panasonic
AG-7450
Portable Video Cassette Recorder
S VHS
625

Features

- S-VHS for high quality video recording and playback
- Compact and light weight
- Rugged construction
- Highly reliable 2 reel motors
- Anti-rolling system.
- Rotary erase heads for clear assemble recording.
- Amorphous video heads for improved S/N ratio.
- Linear audio 2ch with Dolby* NR.
- Hi-Fi audio record/playback.
- Independent input level adjustment for 4 channels.
- LCD audio level indicator
- Linear tape counter (with back up).
- XLR audio input connector.
- XLR DC input connector.
- TCG/TCR acceptable (AG-F745: optional)
- VTR adaptor (AG-S745: optional)
- Colour framing function.
- Half loading system.
- Time Code Recording/Playback capability (Including VITC).


LEVEL
EAR
AUDIO MON OUT
VIDEO OUT
AUDIO SELECT
TCG/TCR
Model No. AG-7450-B
Panasonic
CH1
CH2
DC IN
AUDIO IN

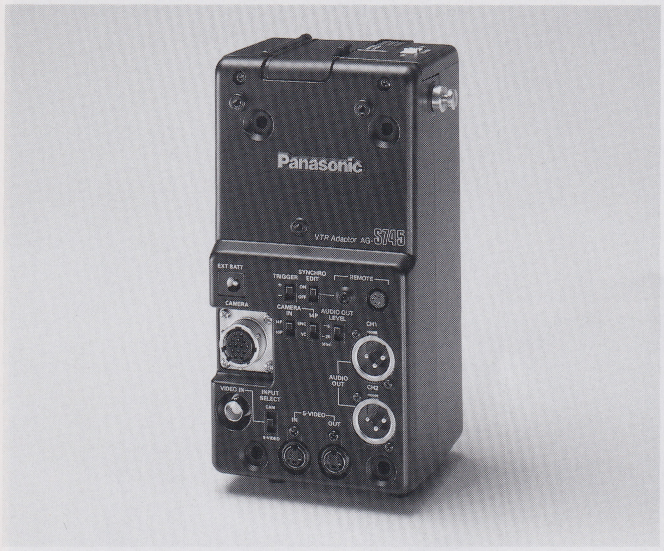


WV-F70

AG-7450 with AG-S745

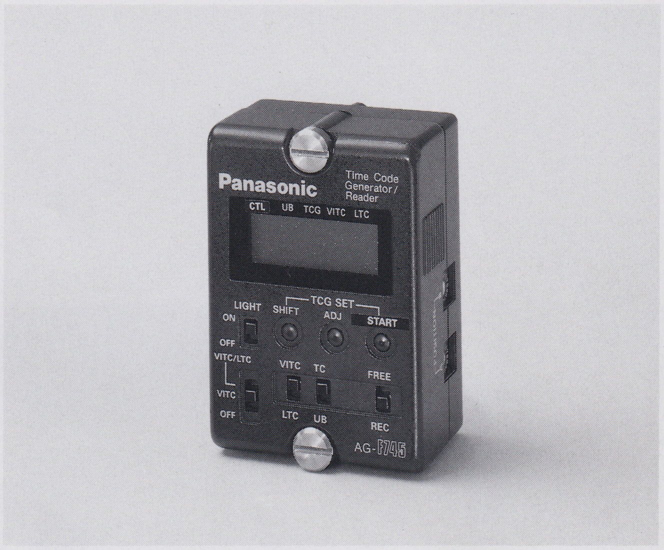
System Options

AG-S745 VTR Adaptor


Panasonic
VTR Adaptor AG-S745
EXT BATT
CAMERA
TRIGGER
SYNCHRO EDIT
REMOTE
AUDIO OUT LEVEL
CH1
CH2
AUDIO OUT
VIDEO IN
INPUT SELECT
S-VIDEO
OUT

Features
- Attaches to AG-7450, for use as separate portable Video Recorder
- Takes up one rechargeable battery pack (AG-BP212)
- Y/C Separate circuitry
- 5-Pin remote control terminal
- Synchro edit terminal (playback)
- Connectable with 14-pin/10-pin camera
- Colour framing circuitry

AG-F745 Time Code Generator/Reader


Panasonic
Time Code Generator/ Reader
CTL
UB
TCG
VITC
LTC
LIGHT
ON
OFF
SHIFT
TCG SET
ADJ
START
VITC/LTC
VITC
OFF
VITC
TC
LTC
UB
FREE
REC
AG-F745

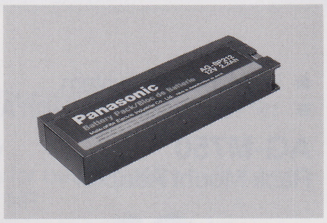
Features
- Attaches to AG-7450
- Compact and Light weight
- VITC/LTC/UB generator/reader
- REC RUN/FREE RUN Switchable
- VITC • LTC/VITC/OFF Switchable

AU-BP220
Battery Pack

Panasonic
12V 2.2Ah
Battery Pack
Matsushita Electric Industrial Co., Ltd.
AU-BP220
Made in Japan

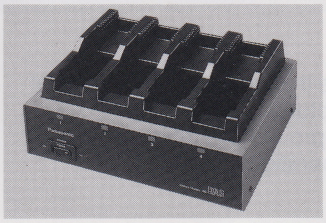
Rechargeable battery pack for AG-7450 with Camera

AG-BP212
Battery Pack


Panasonic
Battery Pack
AG-BP212

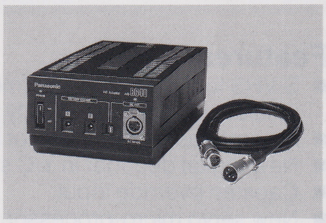
Rechargeable battery pack for AG-7450 with AG-S745

AG-B745
Battery Charger



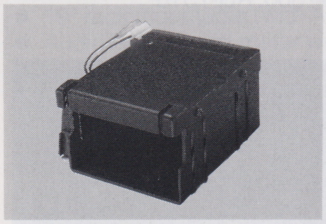
Battery charger for AG-BP220

AG-B640
AC Adaptor/Charger


Panasonic
AG-B640

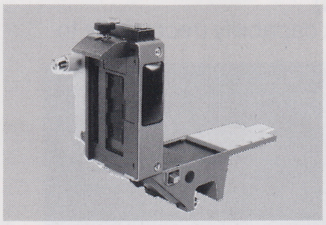
Supplies DC power/ Battery Charger for AG-BP212

AG-M745
Battery Holder



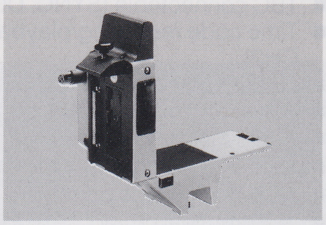
Camera-base mounted battery holder for AG-BP220

WV-VT12
S-VHS Adaptor



Docking Adaptor for AG-7450 and WV-F200A

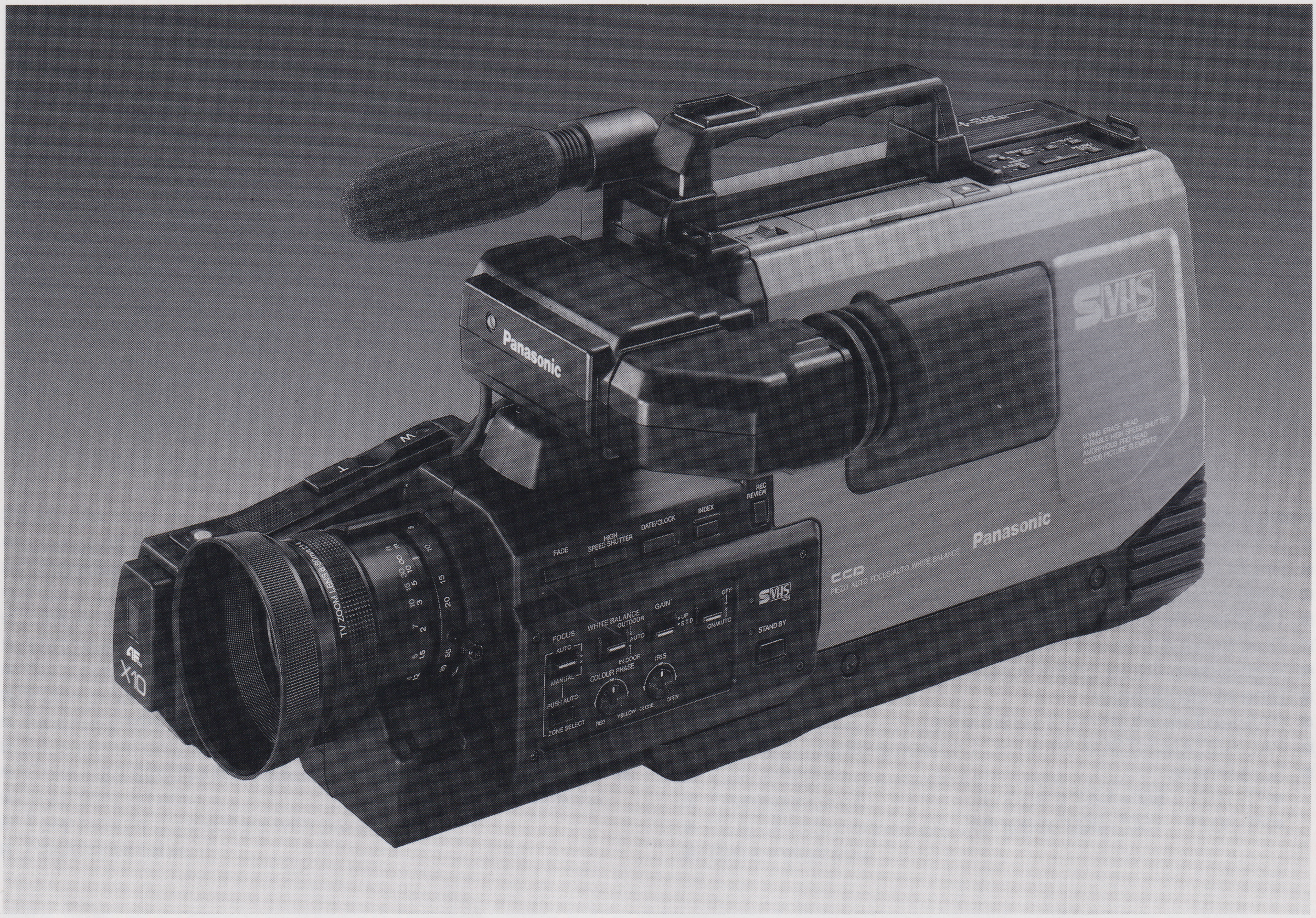
WV-VT10
MII Adaptor



Docking Adaptor for AU-400 and WV-F200A

Video Camera/Recorder

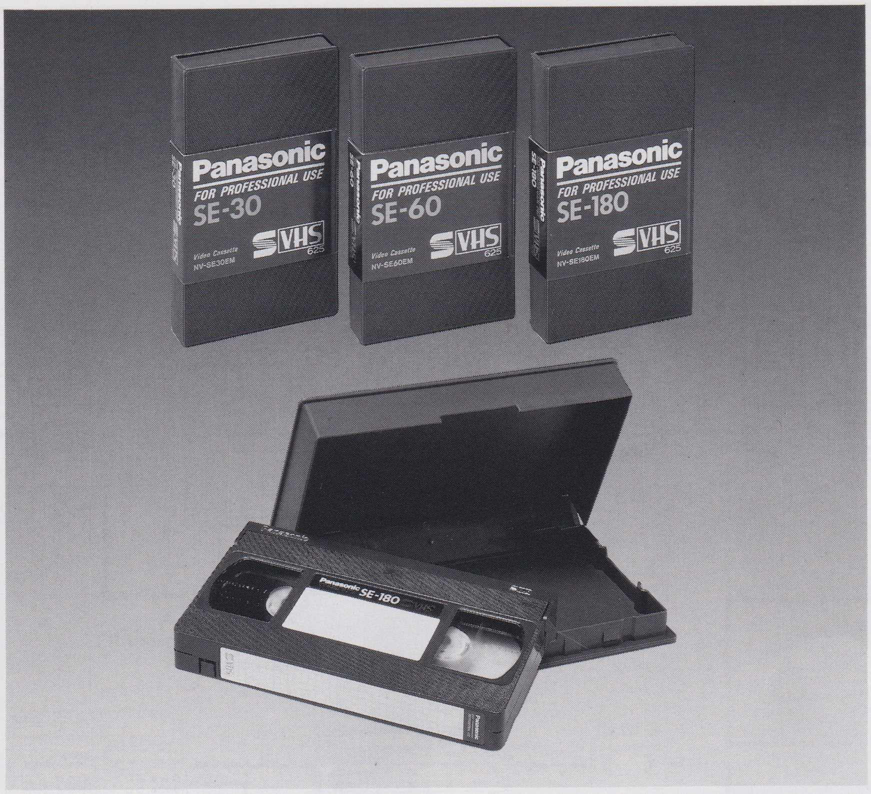
AG-450 S-VHS Integrated Camera/Recorder


Panasonic
S-VHS
Panasonic
CCD
PIEZO AUTO FOCUS/AUTO WHITE BALANCE
FADE
HIGH SPEED SHUTTER
DATE/CLOCK
INDEX
REC REVIEW
FOCUS
AUTO
MANUAL
PUSH AUTO
ZONE SELECT
WHITE BALANCE
OUTDOOR
AUTO
IN DOOR
COLOUR PHASE
RED
YELLOW
IRIS
CLOSE
OPEN
GAIN
UP
STD
OFF
ON/AUTO
STAND BY
T
W
X10

Features

- S-VHS for high quality video shooting and playback
- 420,000 picture element ½″ CCD image sensor
- Amorphous video heads for an improved S/N ratio
- 10X power zoom lens (8~80 mm) with macro function
- 3-step high speed shutter (1/1000, 1/500, 1/250 sec.)
- Piezo Auto Focus and Auto Tracing White (ATW) balance system
- 0.9″ electronic viewfinder with status indicator and vision-correcting eyepiece
- Rotary erase head for noiseless insert and assemble editing
- Audio video fade in/out and audio dubbing
- Index search signal recording capability (Auto/Manual)
- Synchro edit capability
- Uni-directional high-sensitivity microphone (High/Low selectable)
- VHS compatibility

S-VHS Video Cassette Tape


Panasonic
FOR PROFESSIONAL USE
SE-30
S-VHS
625
Video Cassette
NV-SE30EM
Panasonic
FOR PROFESSIONAL USE
SE-60
S-VHS
625
Video Cassette
NV-SE60EM
Panasonic
FOR PROFESSIONAL USE
SE-180
S-VHS
625
Video Cassette
NV-SE180EM
Panasonic SE-180

- Use S-VHS tapes whenever you record in S-VHS mode. S-VHS tapes have densely packed, ultrafine magnetic particles which allow the extraordinary resolution that distinguishes S-VHS picture quality.
- High-performance S-VHS tapes also have improved tape travel and durability—use them even in VHS mode the highest recording quality.
- **NV-SE30EM** .... 30 min.
  NV-SE60EM .... 60 min.
  NV-SE180EM .... 180 min.

Specifications

WV-F200A 3-CCD Colour Video Camera

Power Source:	12 V DC 5 ways
Power Consumption:	Head with Gen Lock adaptor 10.8 W (12 V DC, 0.9 A) ENG Configuration 13.2 W (12 V DC, 1.1 A)
Scanning:	625 lines, 2:1 interlace, 25 frames/sec.
Pick-up System:	Interline-transfer CCD, 3-chip
Pick-up Element:	500 (H)×582 (V)
Scan Size:	Equivalent to a ⅔″ pick-up tube
Video Output Level:	1.0 Vp-p PAL composite 75Ω×1 (BNC-type) 1.0 Vp-p PAL composite 75Ω×1 (32-pin) 1.0 Vp-p PAL composite/1.0 Vp-p Y signal (SYNC 0.3 Vp-p) (32-pin) 0.3 Vp-p chroma signal with burst (32-pin)
Horizontal Resolution:	620 lines (typical)
Signal-to-Noise Ratio:	57 dB (typical)
Illumination Required:	2,000 Lux (with F5.6 at 3,200°K)
Required Minimum Illumination:	30 Lux (with F1.7 +18 dB)
Audio Output:	−20 dBm/−60 dBm (32-pin)
Lens Mounting:	Bayonet mount (⅔ inch lens)
Viewfinder:	Brightness, Contrast
White Balance:	3,200°K (with preset) AWC A (with memory) AWC B (with memory)
Operational Ambient Temperature:	5°C~45°C
Operational Ambient Humidity:	30%~90%
Dimensions (W×H×D):	Camera head 173×257×330 mm ENG configuration 249×257×494 mm
Weight:	Camera head 3.5 kg ENG configuration 5.4 kg

WV-F70 2-CCD Colour Video Camera

Power Source:	12 V DC 5 ways
Power Consumption:	12 V DC 1 A (ENG Configuration) 12 V DC 1.7 A (Studio)
Pick-up System:	Interline transfer CCD, 2-Chip
Picture Elements:	600 (H)×582 (V)
Scan Size:	Equivalent to a ½″ pick-up tube
Lens Mount:	Screw Mount
Electronic Shutter:	1/250, 1/500, 1/1,000 second
Sync System	Internal of External (via Camera Adaptor) with the BS or VBS signal
Horizontal Resolution:	500 lines (typical)
Sensitivity:	2,000 Lux, f4.0, 3,200°K (−6 dB on)
Minimum Illumination:	30 Lux, f1.6 (+18 dB on)
Signal-to-Noise Ratio:	55 dB (−6 dB on, typical)
Gain Selection:	−6 dB, 0 dB, +3 dB, +9 dB, +12 dB, +18 dB
White Balance:	3,200°K (with Preset) AWC A (with memory) AWC B (with memory)
Black Balance:	Automatic with Each Gain Position
Colour Bar:	Built-in EBU Colour Bar
Vertical Aperture Correction:	2 Line Enhancer
Electronic Viewfinder:	1.5″ with Quick Start CRT
Weight:	Approx. 3.0 kg (Head+Adaptor)

AG-7450 S-VHS Portable Video Recorder

(General)	
Power Source:	12 V DC
Power Consumption:	Approx. 35 W with Camera
Operating Temperature:	0°C∼40°C
Operating Humidity:	35%∼80%
Dimensions (W×H×D):	230×213×117 mm
Weight:	Approx. 3.4 kg
(System)	
Television System:	625 lines, 50 fields (PAL)
Video Recording:	2 rotary heads, helical scanning system
Luminance;	FM azimuth recording
Chrominance;	converted subcarrier phase shift recording
Audio Channel:	4 channels
NORMAL (CH1/CH2);	2 fixed heads
Hi-Fi (CH1/CH2);	2 rotary heads
(Tape Transport)	
Tape Speed:	23.39 mm/sec.
Tape Format:	VHS/S-VHS Tape
Record/Playback Time:	180 min. with NV-SE180EM
(Video)	
Horizontal Resolution: (on monoscope test pattern)	
monochrome;	more than 400 lines (S-VHS) more than 250 lines (VHS)
colour;	more than 400 lines (S-VHS) more than 250 lines (VHS)
monochrome;	45 dB (VHS) (with TRAP ON)
colour;	45 dB (VHS) (with TRAP ON)
(Audio)	
Frequency Response:	
NORMAL;	50 Hz∼10 kHz
Hi-Fi;	20 Hz∼20 kHz
Signal-to-Noise Ratio: (Rohde & Schwartz noise meter)	
NORMAL;	50 dB (with Dolby* NR ON)
Dynamic Range:	
Hi-Fi;	80 dB
(Input level)	
Multi connector (68P);	1.0 Vp-p, 1 kΩ unbalanced
Audio In (XLR);	−6 dBs 600Ω balanced
MIC In (XLR);	−60 dBs 600Ω balanced
(Output level)	
Earphone (Mini jack);	−50∼−20 dB (Variable), 8Ω unbalanced
Audio Monitor (PHONE);	−8 dBs, 800Ω unbalanced
Video Out (BNC);	1.0 Vp-p, 75Ω unbalanced

AG-S745 VTR Adaptor

Power Supply:	12 V DC
Power Consumption:	Max. 3 W (35 W with Camera)
Operating Temperature:	0°C∼40°C
Operating Humidity:	35%∼80%
Dimensions (W×H×D):	106×210×89 mm
Weight:	Approx. 750 g
Television System:	625 lines, 50 fields (PAL)
Interface (68 P):	
Camera (14P):	
Video IN (BNC):	1.0 Vp-p, 75Ω
S-Video In (4P) Y;	1.0 Vp-p, 75Ω
C;	0.3 Vp-p burst level 75Ω
S-Video Out (4P) Y;	1.0 Vp-p, 75Ω
C;	0.3 Vp-p burst level 75Ω
Audio Out (XLR):	−6/−20 dBs, low impedance, balanced

AG-F745 Time Code Generator/Reader

Power Supply:	5 V DC
Power Consumption:	0.5 W
Operating Temperature:	0°C∼40°C
Dimensions (W×H×D):	65×94×39 mm
Weight:	Approx. 140 g
Input Signal:	Frame pulse start/stop signal
Output Signal:	EBU standard time code signal
Display:	h, min, sec, frame, 8 digits
Time Set:	h, min, sec, frame, 8 digits
User Bits Set:	8 digits
Time Code Synchronization Position:	Synchronization to the frame pulse rising edge